

## SEQUENCE LISTING

&lt;110&gt;Advanced Life Science Institute, Inc.

&lt;120&gt;HBV precore protein having particle forming ability

&lt;130&gt;1024582

&lt;160&gt;

&lt;210&gt;1

&lt;211&gt;178

&lt;212&gt;TRP

&lt;213&gt;hepatitis B virus

&lt;220&gt;

&lt;223&gt;hepatitis B virus core protein

&lt;400&gt;1

Gln Leu Phe His Leu Cys Leu Ile Ile Ser Cys Ser Cys Pro Thr Val  
                                   5                                  10                                  15

Gln Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp Gly Met Asp Ile Asp  
                                   20                                  25                                  30

Pro Tyr Lys Glu Phe Gly Ala Ser Val Glu Leu Leu Ser Phe Leu Pro  
                                   35                                  40                                  45

Ser Asp Phe Phe Pro Ser Ile Arg Asp Leu Leu Asp Thr Ala Ser Ala  
                                   50                                  55                                  60

Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu His Cys Ser Pro His His  
                                   65                                  70                                  75                                  80

Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu Leu Met Asn Leu  
                                   85                                  90                                  95

Ala Thr Trp Val Gly Ser Asn Leu Glu Asp Pro Ala Ser Arg Glu Leu  
                                   100                                  105                                  110

Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys Ile Arg Gln Leu  
                                   115                                  120                                  125

Leu Trp Phe His Ile Ser Cys Leu Thr Phe Gly Arg Glu Thr Val Leu  
                                   130                                  135                                  140

Glu Tyr Leu Val Ser Phe Gly Val Trp Ile Arg Thr Pro Pro Ala Tyr  
                                   145                                  150                                  155                                  160

Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu Pro Glu Thr Thr Val  
                                   165                                  170                                  175

Val Arg

&lt;210&gt;2

<211>20

<212>PRT

<213>hepatitis B virus

<220>

<223>part of hepatitis B virus core protein

<400>2

Gln Leu Phe His Leu Cys Leu Ile Ile Ser Cys Ser Cys Pro Thr Val

5

10

15

Gln Ala Ser Lys

20

<210>3

<211>11

<212>PRT

<213>hepatitis B virus

<220>

<223>part of hepatitis B virus core protein

<400>3

Asp Leu Leu Asp Thr Ala Ser Ala Leu Tyr Arg

5

10

<210>4

<211>17

<212>PRT

<213>hepatitis B virus

<220>

<223>part of hepatitis B virus core protein

<400>4

Glu Ala Leu Glu Ser Pro Glu His Cys Ser Pro His His Thr Ala Leu

5

10

15

Arg

<210>5

<211>14

<212>PRT

<213>hepatitis B virus

<220>

<223>part of hepatitis B virus core protein

<400>5

Glu Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys

5

10

<210>6

<211>23

<212>PRT

<213>hepatitis B virus

<220>

<223>part of hepatitis B virus core protein

<400>6

Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu

5

10

15

Pro Glu Thr Thr Val Val Arg

20